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NAS CECIL FIELD
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LETTER REPORT REGARDING SAMPLING AND ANALYSIS PLAN ADDENDUM 9 RT LANS AND BUILDING 404NAS CECIL FIELD FL

11/22/2000

TETRA TECH

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November 22, 2000

Project Number 0486

Commanding Officer
Department of the Navy
SOUTHNAVFACENGCOM
ATTN: Mr. Nick Ugolini
2155 Eagle Drive
North Charleston, South Carolina 29406

Reference: **Clean Contract No. N62467-94-D0888**
Contract Task Order No. 0121

Subject: **Sampling and Analysis Plan Addendum**
9 RT Lens and Building 404
Former Naval Air Station Cecil Field (NASCF), Florida

Dear Mr. Ugolini:

In accordance with Plan of Action (POA) No. GH02 for additional field investigation at the former Naval Air Station, Cecil Field (NASCF), Jacksonville, Florida, Tetra Tech NUS, Inc. (TtNUS) has prepared this Sampling and Analysis Plan (SAP) Addendum. This SAP Addendum was prepared for the U.S. Navy Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) under CTO-0121, for the Comprehensive Long-term Environmental Action Navy (CLEAN) Contract Number N62467-94-D0888. A SAP (TtNUS, March 2000) was previously prepared for CTO-121 which provides a detailed discussion of the procedures and methods to be used for soil screening, soil sampling, monitoring well installation and groundwater sampling. All field work conducted under this SAP Addendum will be performed in accordance with the original SAP.

Overview – Site 9 RT Lens and Bldg. 404

A site assessment was previously performed at Site 9 RT Lens, NASCF (Figure 1). A Site Assessment Report (SAR) was submitted by J.A. Jones; however, the Florida Department of Environmental Protection (FDEP) did not approve the report, indicating that it did not meet the requirements of Chapter 62-770, Florida Administrative Code (FAC). The FDEP specifically requested that confirmatory soil samples be collected and analyzed in accordance with Chapter 62-770, FAC. They also requested that the SAR prepared by J.A. Jones be rewritten in accordance with Chapter 62-770, FAC.

A Monitoring Only for Natural Attenuation (MONA) was submitted and approved for Building 404, NASCF (Figure 2). However, the monitoring well that was supposed to be installed downgradient of the contaminant plume was incorrectly located sidegradient to groundwater flow. Therefore, the FDEP requested that a downgradient well be installed.

This SAP Addendum briefly describes the proposed fieldwork with a site plan for proposed soil boring locations at Site 9 RT Lens and the proposed monitoring well location at Building 404.

Background Information and Field Plan for 9 RT Lens

In August, 1998, a 550-gallon aboveground storage tank (AST) containing diesel fuel was temporarily stationed immediately north of an aircraft landing light adjacent to Runway 9 RT. A loose fuel line connection allowed an estimated 250 to 300 gallons of diesel fuel to discharge onto the ground surface. A source removal was performed to remove the excessively contaminated soil.

The intent of the soil investigation at 9 RT Lens is to confirm that the excessively contaminated soil was removed. Fieldwork will consist of soil screening with an organic vapor analyzer-flame ionization detector at four locations along the perimeter of the excavation and one location in the center of the excavation which exhibited a high OVA-FID reading during the source removal (Figure 1). Soil samples will be collected at 1-foot intervals to the top of the water table. Additionally, one soil sample will be collected from each boring for laboratory analysis for constituents of the Kerosene Analytical Group (KAG). The laboratory samples will be collected from the interval above the water table which exhibits the highest OVA-FID reading. If no OVA-FID responses are noted, the laboratory samples will be collected approximately 1 to 2 feet above the saturated zone.

TtNUS was also tasked to rewrite the SAR previously submitted by J.A. Jones to conform to the requirements of Chapter 62-770, F.A.C. To meet these requirements, TtNUS personnel will also collect groundwater samples from the three existing temporary monitoring wells to re-evaluate the groundwater quality since the data from the J.A. Jones SAR is greater than 270 days old. In addition, TtNUS personnel will perform a groundwater elevation survey in order to estimate the groundwater flow direction. TtNUS personnel have inspected the site and determined that the temporary wells (TMW-1 through TMW-3) still exist at Site 9 RT Lens. TtNUS will conduct the following field tasks for the groundwater investigation:

1. Survey top-of-casing elevations of the temporary monitoring wells.
2. Collect two rounds of groundwater levels at least one month apart.
3. Collect one groundwater sample from the source well (TMW-1) and the downgradient well (TMW-3) to be analyzed for KAG constituents.

Background Information and Field Plan for Building 404

Underground storage tank (UST) 404 was located on the south side of Building 404, a duplex for family housing (Figure 2). The 350-gallon UST stored heating oil. Field investigations subsequent to tank closure indicated no excessively contaminated soil was present at the site and Monitoring Only for Natural Attenuation (MONA) was implemented at the site. After conducting two semi-annual monitoring events, Harding Lawson Associates (HLA) recommended no further action (NFA) for the site. However, in a letter dated July 6, 2000, the FDEP rejected the NFA proposal and requested that an additional monitoring well be installed downgradient of the source area.

TtNUS will install the monitoring well in the proposed location shown on Figure 2. The installation will follow the general guidelines presented in Section 2 of the SAP.

Additional Plans

Upon completion of the fieldwork at Site 9 RT Lens and following receipt of the laboratory reports, TtNUS will rewrite the SAR in accordance with Chapter 62-770, FAC. Following installation and development of the downgradient monitoring well at Building 404, TtNUS will conduct the next semi-annual monitoring event and prepare a semi-annual monitoring report for submittal to the FDEP.

If you have any questions with regard to this submittal, please contact me at (850) 385-9866 extension 24.

Very truly yours,

Paul E. Calligan, P.G.
Task Order Manager

MD/pc

Enclosures

cc: Mr. D. Grabka, FDEP
Ms. D. Wroblewski (Cover Letter Only)
Mr. M. Perry (Unbound)

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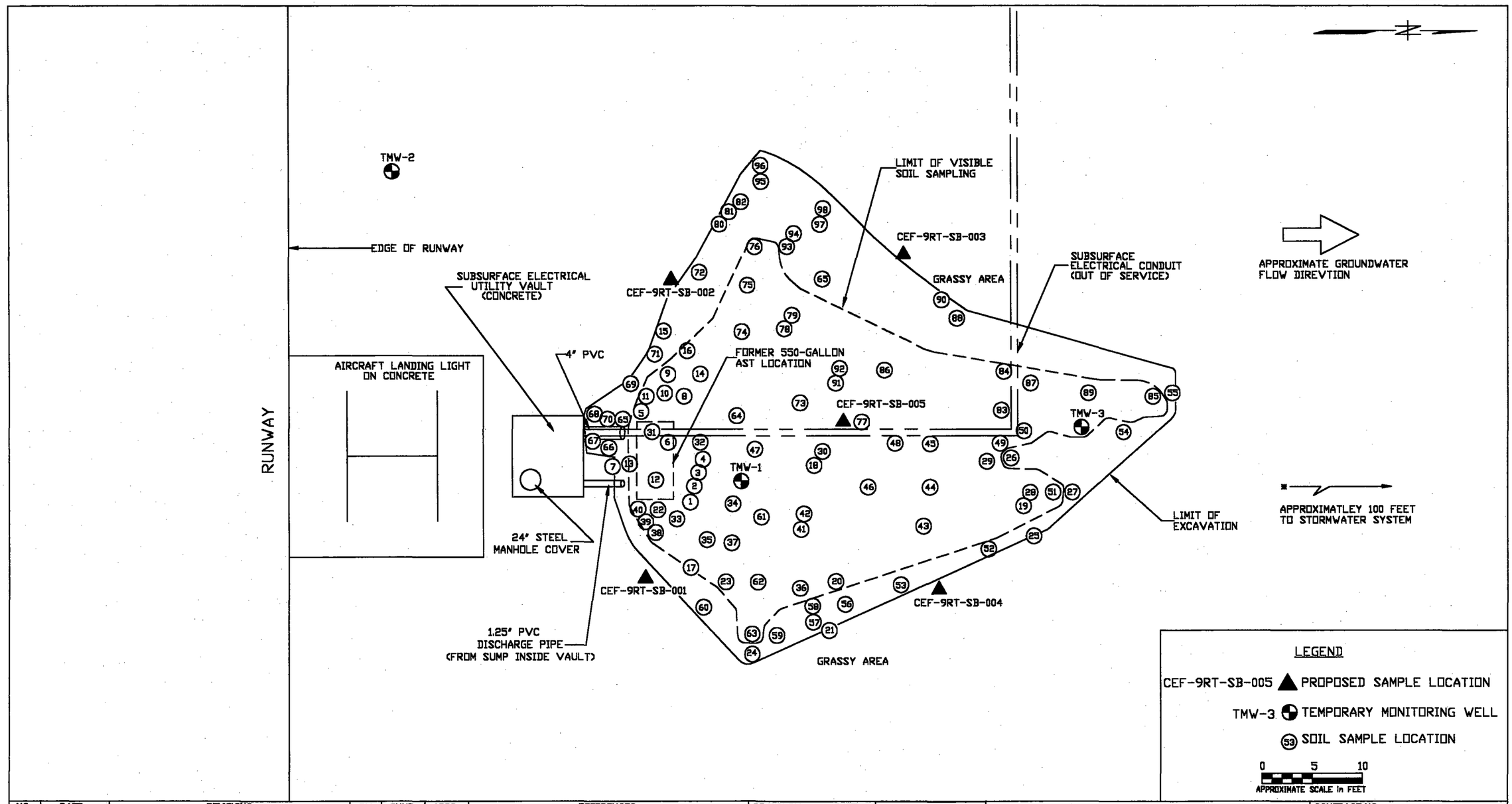

LEGEND

CEF-9RT-SB-005 ▲ PROPOSED SAMPLE LOCATION

TMW-3 ⊕ TEMPORARY MONITORING WELL

(53) SOIL SAMPLE LOCATION

0 5 10

APPROXIMATE SCALE In FEET

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY DATE: CW 10/16/00

CHECKED BY DATE:

COST/SCHED–AREA:

SCALE: AS NOTED

PROPOSED SOIL SAMPLE AND MONITORING WELL LOCATIONS
9 RT LENS
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0486

APPROVED BY DATE

APPROVED BY DATE

DRAWING NO. FIGURE 1

REV. 0

FORM CADD NO. SDIV_BH.DWG - REV 0 - 1/20/98

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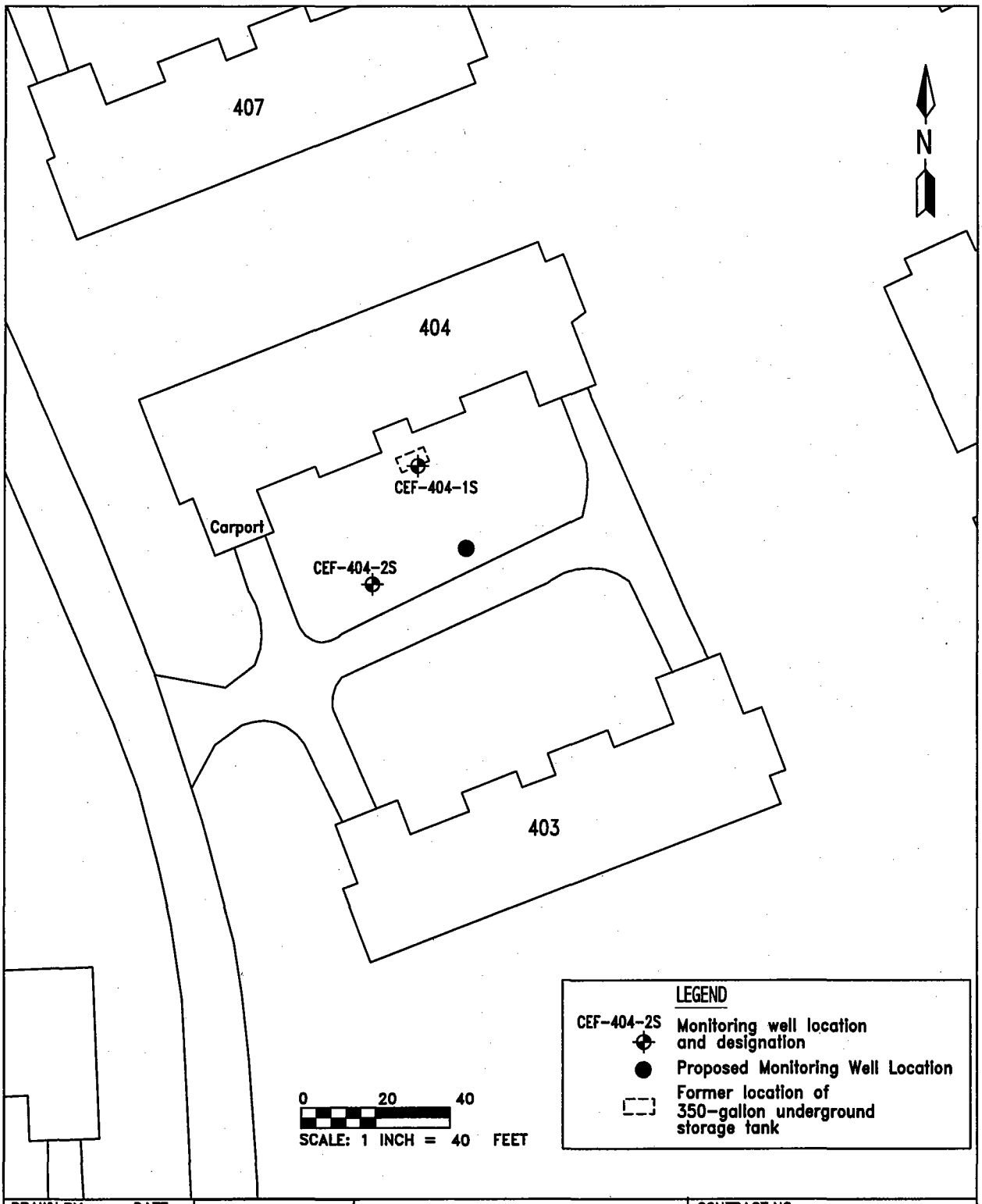

DRAWN BY CW DATE 10/23/00		PROPOSED MONITORING WELL LOCATION MAP BUILDING 404, TANK 404 NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. N0486
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2 REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98